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APPLICATION NO	.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/723,396	<u> </u>	11/26/2003	Ping-Wha Lin	121048-0006	8874
35684	7590	09/01/2005		EXAM	INER
BUTZEL	LONG		PALABRICA, RICARDO J		
350 SOUTH MAIN STREET SUITE 300				ART UNIT	PAPER NUMBER
	ANN ARBOR, MI 48104				
				DATE MAILED: 09/01/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/723,396	LIN, PING-WHA			
Office Action Summary	Examiner	Art Unit			
	Rick Palabrica	3663			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION B6(a). In no event, however, may a reply be tin rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on  2a) ☐ This action is FINAL. 2b) ☐ This  3) ☐ Since this application is in condition for allowan closed in accordance with the practice under E	action is non-final. ace except for formal matters, pro				
Disposition of Claims					
4)	vn from consideration. election requirement. epted or b)  objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
	animer. Note the attached office	Action of form F 70-132.			
Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	(PTO-413) te atent Application (PTO-152)			

## **DETAILED ACTION**

## Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - I. Claims 1-9, 21-26 and 28-30, drawn to a process (of generating electricity), classified in class 376, subclass 100.
  - II. Claims 10-20, 27 and 31, drawn to an apparatus (gas stream nuclear reactor), classified in class 376, subclass 383.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case, another materially different apparatus, such as an electrolytic cell producing nuclear fusion reactions, i.e., cold fusion, can practice the process as claimed. Alternatively, the apparatus as claimed can be used to practice another and materially different process, e.g., production of tritium or medical radioisotopes.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

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search required for Group I is not required for Group II, restriction for examination

purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must

Because these inventions are distinct for the reasons given above and the

include an election of the invention to be examined even though the requirement be

traversed (37 CFR 1.143).

2. <u>Upon election of either invention I or II</u>, Applicant is further required under 35

U.S.C. 121 to elect one of the following disclosed species for prosecution on the merits

to which the claims shall be restricted if no generic claim is finally held to be allowable

(e.g., see claim 4). Currently, claim 1 is generic to Group I and no claim appears to be

generic to Group II.

A: Wherein the gas stream is air.

B: Wherein the gas stream is a flue gas.

3. Upon election of either invention I or II, Applicant is further required under 35

U.S.C. 121 to elect one of the following disclosed species for prosecution on the merits

to which the claims shall be restricted if no generic claim is finally held to be allowable

(e.g., see claims 5 and 15). Currently, claim 1 is generic to Group I and no claim

appears to be generic to Group II.

C: Wherein the means to heat the gas is a flame generator.

D: Wherein the means to heat the gas is a laser beam. Application/Control Number: 10/723,396

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• E: Wherein the means to heat the gas is an electric arc.

F: Wherein the means to heat the gas is a microwave generator

4. <u>If invention I is elected</u>, Applicant is further required under 35 U.S.C. 121 to elect one of the following disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable (e.g., see claim 22). Currently, claim 1 is generic to Group I and no claim appears to be generic to Group II.

- G: Wherein the rapid cooling affects decomposition of NO<sub>x</sub>.
- H: Wherein the rapid cooling affects decomposition of CO<sub>2</sub>.
- I: Wherein the rapid cooling affects decomposition of SO<sub>x</sub>.
- 5. Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

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Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rick Palabrica whose telephone number is 571-272-6880. The examiner can normally be reached on 6:30-5:00, Mon-Thurs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Keith can be reached on 571-272-6878. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RJP August 30, 2005 RPalebia